CONTACT

📞 571-758-5892

✉️ vanitha1281@gmail.com

TECHNICAL SKILLS

Scripting and Automation: Bash, PowerShell, Python
Cloud Services: AWS, Microsoft Azure, GCP
Containerization and Orchestration: Docker, Kubernetes, AKS
Version Control and Collaboration: Git, GitHub, SVN
CI/CD: Jenkins, Azure DevOps, GitLab CI
IaC and Configuration Management: AWS CloudFormation, ARM templates, Terraform, Ansible, Puppet, CHEF
Monitoring and Logging: CloudWatch, ELK, Grafana, Nagios
Database Administration: MySQL, SQL Server, MongoDB, Oracle
Web Servers: Apache, WebLogic, Apache Tomcat
Build and Release Tools: JFrog Artifactory, Docker Registry
Development Tools: Eclipse IDE
Project Management and Collaboration: Agile, JIRA, Confluence
Operating Systems: Linux (Ubuntu, CentOS, Red Hat), Windows, MacOS

EDUCATION

Bachelor of Technology

Anna University, India.

VANITHA

DEVOPS ENGINEER

CAREER SUMMARY

Experienced DevOps engineer with over 6+ years of dedicated expertise in automating, orchestrating, and optimizing infrastructure and software deployment processes. Proficient in scripting and automation using Bash, PowerShell, and Python, focusing on efficiency and reliability. Adept in cloud services like AWS, Microsoft Azure, and GCP, and well-versed in containerization and orchestration technologies like Docker, Kubernetes, and AKS. Demonstrated proficiency in version control, CI/CD pipelines, IaC, and configuration management, utilizing tools such as Git, Jenkins, Terraform, and Ansible. Skilled in monitoring and logging through CloudWatch, ELK, Grafana, and Nagios, ensuring robust system performance and issue resolution. Experienced in database administration, web servers, and build/release tools. Strong Agile practitioner, collaborating effectively with cross-functional teams using JIRA and Confluence for streamlined project management. A committed DevOps professional dedicated to enhancing operational efficiency and driving continuous improvement in complex environments.

DevOps Engineer

Finix, San Francisco, CA

Aug 2022 - Present

- Provisioned and managed AWS resources to support cloud-based infrastructure, including EC2 instances, S3 buckets, Elastic Beanstalk applications, Lambda functions, RDS databases, and IAM roles.
- Developed and implemented Step Functions workflows to automate and streamline various tasks in the cloud environment.
- Configured and maintained Elastic Load Balancers (ELB) to ensure high availability and distribute traffic efficiently across application servers.
- Administered Linux-based servers, performing routine maintenance, updates, and troubleshooting to keep systems operational.
- Utilized Git for version control and collaboration with development teams, ensuring seamless code integration and continuous delivery.
- Set up and managed Jenkins for building, testing, and deploying applications, enabling continuous integration and deployment practices.
- Utilized AWS CloudFormation to define and provision infrastructure resources as code, facilitating easy scalability and reproducibility.
- Orchestrated containerized applications using Docker and Kubernetes, enhancing portability and scalability.
- Configured CloudWatch to monitor system metrics, trigger alarms, and gain insights into system performance.
- Designed and maintained AWS VPC configurations and security groups, ensuring network isolation and secure data flow.
- Employed Ansible for configuration management, automating application and infrastructure configuration tasks.
- Administered MySQL and MongoDB databases, performing backups, scaling, and optimizing queries for efficient data management.
- Diagnosed and resolved complex issues in the development and production environments, ensuring minimal downtime.
- Managed Apache Tomcat web servers, optimizing server performance and security configurations.
- Collaborated with cross-functional teams, utilizing Agile principles and tools like JIRA for project management and sprint planning.
- Implemented network configurations, firewall rules, and access control to enhance system security and data protection.

   Tech Stack: Python, AWS, Linux, Git, Jenkins, AWS CloudFormation, Docker, Kubernetes, CloudWatch, Ansible, MySQL, MongoDB, Apache Tomcat, Agile, JIRA.

DevOps Engineer

Northwest Bank, Spencer, IA

March 2020 - July 2022

- Collaborated with development teams to build and maintain CI/CD pipelines in Azure DevOps, automating deployments for Python applications.
- Managed Azure VMs, Azure App Service, and Azure Functions, ensuring high availability and scalability of web applications.
- Implemented Azure AD for user authentication and integrated Azure Key Vault to store sensitive application secrets securely.
- Assisted in database administration, including SQL Server deployments, backups, and maintenance, ensuring data integrity and performance.
- Contributed to creating ARM templates for IaC to efficiently provision and configure Azure resources.
- Orchestrated containerization and deployment processes using Docker and AKS for microservices-based applications.
- Designed and maintained Azure Virtual Networks, VPNs, and Network Security Groups (NSG) to establish secure and efficient network communication.
- Managed JFrog Artifactory for artifact management and repository hosting, ensuring smooth integration with build pipelines.

- Worked with CHEF for configuration management and maintained Maven for building Java applications.
- Contributed to issue tracking and project management in an Agile environment using JIRA, promoting effective collaboration among cross-functional teams.
- Administered and monitored WebLogic servers and resolved performance and availability issues in an enterprise environment.
- Utilized Eclipse IDE for code development and integrated code quality checks in the CI/CD pipeline.
- Implemented ELK (Elasticsearch, Logstash, Kibana) stack for log and performance monitoring, enabling quick issue identification and resolution.
- Collaborated with development teams on version control using Git and GitHub, ensuring code quality and efficient collaboration.

   Tech Stack: Python, Azure, SQL Server, Azure DevOps, GIT, GitHub, ARM templates, Docker, AKS, JFrog artifacts, CHEF, Maven, JIRA, Agile, WebLogic, Eclipse, ELK.

DevOps Engineer

EdgeConneX, Inc., Herndon, VA

May 2018 - Feb 2020

- Deployed and managed virtual machines on GCP Compute Engine while leveraging Google App Engine for serverless application hosting.
- Orchestrated containers using Kubernetes and Docker to scale and manage containerized applications efficiently.
- Utilized Terraform to define and manage infrastructure components, ensuring consistent and repeatable deployments.
- Integrated Oracle databases with GCP services, ensuring seamless data access and management.
- Implemented GitLab CI for automating build, test, and deployment pipelines, streamlining the release process.
- Configured and maintained Grafana for monitoring system performance and application health, ensuring proactive issue detection and resolution.
- Designed and managed GCP's networking services, including Virtual Private Cloud (VPC), load balancing, and firewall rules, for a secure and efficient network architecture.
- Utilized Bash scripting to automate routine tasks and streamline operational processes.
- Employed Puppet for configuration management, ensuring consistency and compliance across the infrastructure.
- Collaborated with cross-functional Agile teams, using tools like Confluence to document processes and facilitate effective communication.
- Administered Apache web servers, configuring and optimizing their performance for serving web content.
- Leveraged Git for version control, enabling efficient code collaboration and management.

   Tech Stack: GCP, Terraform, Kubernetes, Docker, Oracle, GitLab CI, Grafana, Bash, Puppet, Agile, Confluence, Apache, Git.

Build and Release Engineer

Progatix, Lake Mary, FL

Sept 2017 - April 2018

- Utilized SVN to manage version control for source code, ensuring proper branching and merging strategies.
- Configured and maintained build automation using Maven, enabling efficient software compilation and packaging.
- Implemented and managed CI/CD pipelines with Jenkins, automating the build, testing, and deployment processes.
- Developed and maintained PowerShell scripts for automating routine build and release tasks, increasing efficiency.
- Managed Docker containers and the Docker Registry for packaging and distributing application components.
- Employed Ansible for configuring and maintaining Linux servers, ensuring consistency and reliability in the deployment environment.
- Troubleshoot issues related to the build and release process, resolving them promptly to minimize downtime.
- Implemented Nagios for monitoring the health and performance of critical systems and applications.
- Collaborated in an Agile development environment, using tools like JIRA to track and manage tasks, ensuring efficient project workflows.
- Assisted in quality assurance processes, working closely with QA teams to ensure the quality of software releases.

   Tech Stack: SVN, Maven, Jenkins, PowerShell, Docker, Docker Registry, Ansible, Linux, Nagios, Agile, JIRA.

Vanitha Balachandran

- Oak Hill, VA, US

Contact Information

- azg-hw4-iab@mail.dice.com

Skills

- **agile** - 6 years
- **automation** - 6 years
- **configuration** - 6 years
- **continuous integration** - 6 years
- **engineering** - 6 years
- **qa** - 6 years
- **revision control** - 6 years
- **software** - 6 years
- **software deployment** - 6 years
- **collaboration** - 5 years
- **cross-functional** - 5 years
- **devops** - 5 years
- **git** - 5 years
- **high availability** - 4 years
- **network** - 4 years
- **provision** - 4 years
- **python** - 4 years
- **scalability** - 4 years
- **hosting** - 4 years
- **virtual machines** - 4 years

Work Preferences

- Desired Work Settings: Remote or Hybrid
- Likely to Switch: False
- Willing to Relocate: False
- Work Authorization:
  - US
- Work Documents:

- o Employment Auth. Document
- Security Clearance: False
- Third Party: False
- Employment Type:
  - o Full-time
  - o Contract - W2

Profile Sources

- Dice: https://www.dice.com/employer/talent/profile/c25d5dc87614382f9df938d0b5d8fb28